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What is claimed is:

- 1. An isolated cDNA, or the complement thereof, comprising a nucleic acid sequence encoding a protein selected from:
 - a) amino acid sequence of SEQ ID NO:1,
 - b) an immunogenic fragment of SEQ ID NO:1, and
 - c) a variant of SEQ ID NO:1 having at least 90% sequence identity to SEQ ID NO:1
 - 2. An isolated cDNA comprising a nucleic acid sequence selected from:
 - a) SEQ ID NO:2 or the complement thereof; and
 - b) a variant of SEQ ID NO:2 having at least 85% identity to SEQ ID NO:2.
 - 3. A composition comprising the cDNA of claim 1 and a labeling moiety.
 - 4. A vector comprising the cDNA of claim 1.
 - 5. A host cell comprising the vector of claim 4.
 - 6. A method for using a cDNA to produce a protein, the method comprising:
 - a) culturing the host cell of claim 5 under conditions for protein expression; and
 - b) recovering the protein from the host cell culture.
 - 7. A method for using a cDNA to detect expression of a nucleic acid in a sample comprising:
 - a) hybridizing the composition of claim 3 to nucleic acids of the sample under conditions to form at least one hybridization complex; and
 - b) detecting hybridization complex formation, wherein complex formation indicates expression of the cDNA in the sample.
- 8. The method of claim 7 further comprising amplifying the nucleic acids of the sample prior to hybridization.
 - 9. The method of claim 7 wherein the composition is attached to a substrate.
- 10. The method of claim 7 wherein complex formation is compared with at least one standard to determine differential expression.
- 11. A method of using a cDNA to screen a plurality of molecules or compounds, the method comprising:
 - a) combining the cDNA of claim 1 with a plurality of molecules or compounds under conditions to allow specific binding; and
 - b) detecting specific binding, thereby identifying a molecule or compound which specifically binds the cDNA.
 - 12. The method of claim 11 wherein the molecules or compounds are selected from DNA

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molecules, RNA molecules, peptide nucleic acids, artificial chromosome constructions, peptides, transcription factors, repressors, and regulatory molecules.

- 13. A purified protein or a portion thereof produced by the method of claim 6 and selected from:
- a) an amino acid sequence of SEQ ID NO:1;
- b) an antigenic epitope of SEQ ID NO:1 from about amino acid S31 to about amino acid Q50 of SEQ ID NO:1; and
 - c) a variant of SEO ID NO:1 having at least 90% amino acid identity to SEQ ID NO:1.
 - 14. A purified protein comprising an amino acid sequence of SEQ ID NO:1
 - 15. A composition comprising the protein of claim 13 and a pharmaceutical carrier.
- 16. A method for using a protein to screen a plurality of molecules or compounds to identify at least one ligand, the method comprising:
 - a) combining the protein of claim 13 with the molecules or compounds under conditions to allow specific binding; and
 - b) detecting specific binding, thereby identifying a ligand which specifically binds the protein.
- 17. The method of claim 16 wherein the molecules or compounds are selected from DNA molecules, RNA molecules, peptide nucleic acids, peptides, proteins, mimetics, agonists, antagonists, antibodies, immunoglobulins, inhibitors, and drugs.
 - 18. A method of using a protein to prepare and purify a polyclonal antibody comprising:
 - a) immunizing a animal with a protein of claim 13 under conditions to elicit an antibody response;
 - b) isolating animal antibodies;
 - c) attaching the protein to a substrate;
- d) contacting the substrate with isolated antibodies under conditions to allow specific binding to the protein;
 - e) dissociating the antibodies from the protein, thereby obtaining purified polyclonal antibodies.
 - 19. A method of using a protein to prepare and purify a monoclonal antibody comprising:
 - a) immunizing a animal with a protein of claim 13 under conditions to elicit an antibody response;
 - b) isolating antibody-producing cells from the animal;
- c) fusing the antibody-producing cells with immortalized cells in culture to form monoclonal antibody producing hybridoma cells;
 - d) culturing the hybridoma cells; and
 - e) isolating monoclonal antibodies from culture.
 - 20. An isolated antibody which specifically binds to a protein of claim 13.

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- 21. The antibody of claim 20, wherein the antibody is selected from an intact immunoglobulin molecule, a polyclonal antibody, a monoclonal antibody, a chimeric antibody, a recombinant antibody, a humanized antibody, a single chain antibody, a Fab fragment, an F(ab')₂ fragment, an Fv fragment; and an antibody-peptide fusion protein.
 - 22. A polyclonal antibody produced by the method of claim 18.
 - 23. A monoclonal antibody produced by the method of claim 19.
- 24. A method for using an antibody to detect expression of a protein in a sample, the method comprising:
- a) combining the antibody of claim 20 with a sample under conditions which allow the formation of antibody:protein complexes; and
- b) detecting complex formation, wherein complex formation indicates expression of the protein in the sample.
- 25. A method for using an antibody to detect expression of a protein in a sample, the method comprising:
- a) combining the antibody of claim 20 with a sample under conditions which allow the formation of antibody:protein complexes; and
- b) detecting complex formation, wherein complex formation indicates expression of the protein in the sample.
- 26. The method of claim 25 wherein complex formation is compared with standards and is diagnostic of a breast cancer.
 - 27. A composition comprising an antibody of claim 20 and a labeling moiety.
 - 28. A composition comprising an antibody of claim 20 and a pharmaceutical agent.